

DETECTION OF PATHOGENIC PRION PROTEIN AND CONCENTRATION THEREOF

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**Abstract of JP11032795**

PROBLEM TO BE SOLVED: To provide a method for detecting pathogenic prion protein, capable of rapidly and easily detecting the above protein in high sensitivity even at relatively low concentrations from an animal tissue-derived matter.

SOLUTION: This method for detecting pathogenic prion protein comprises the following two consecutive processes: pathogenic prion protein concentration process and enzyme immunoassay; wherein the former process comprises: 1st process: an animal tissue-derived matter is homogenized using a surfactant and an enzyme according to the kind of the above matter, 2nd process: the homogenized product is decomposed by the use of a catabolic enzyme, and 3rd process: a concentrate containing the above protein is obtained from the homogenized product decomposed in the 2nd process; while the latter process comprises: 4th process: the above concentrate is dissolved in a solvent to obtain a dissolved product, 5th process: the above protein in the dissolved product is made to adsorb to an adsorption surface, and 6th process: the protein adsorbed is subjected to color development.